



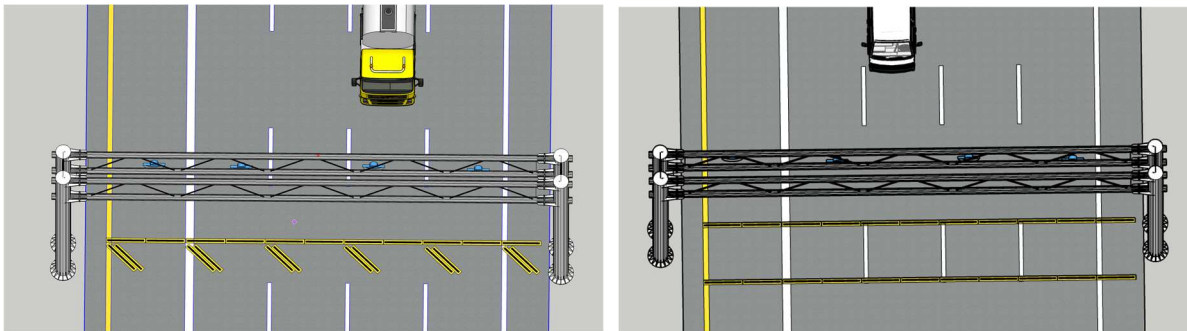
Sensor Line MLFF Classification System

Next-Generation Vehicle Classification with Axle Sensor & LIDAR Integration

The Sensor Line MLFF Classification System is the perfect fusion of **SL Fiber Optic Axle Sensors** and **LIDAR technology**, designed for modern traffic applications.

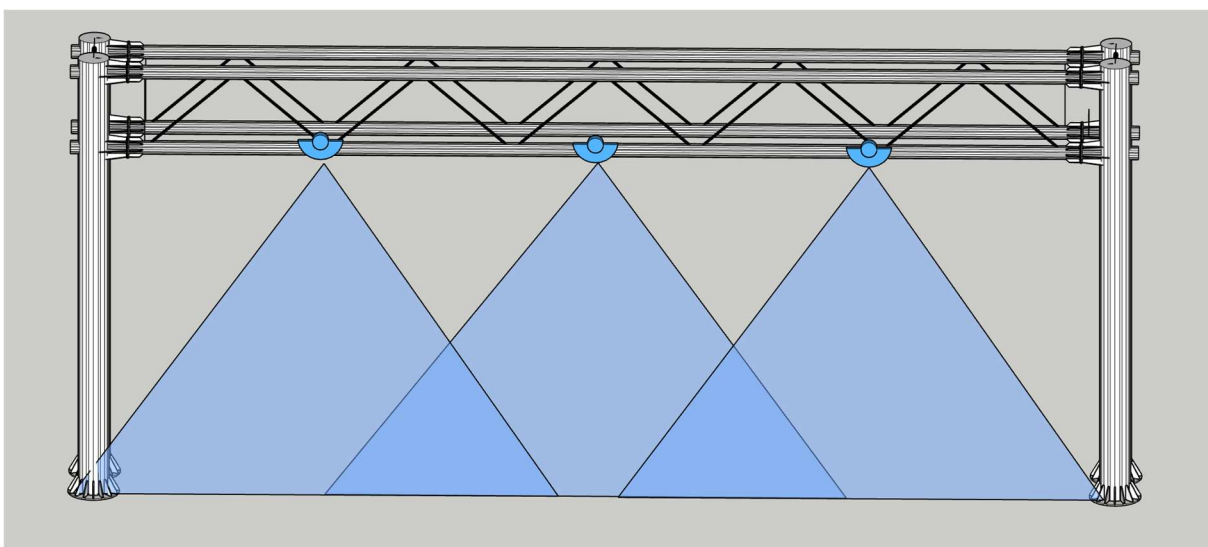
Using advanced LIDAR, the system creates a **high-resolution 3D road profile**, accurately determining vehicle size, shape, and position. This data is combined with **precise axle detection** to deliver highly reliable vehicle classification.

✓ **Flexible Configurations** – Supports axle counting, dual tire detection, and axle distance measurement.



✓ **Advanced Accuracy** – Combines volumetric and shape-based analysis with axle information.

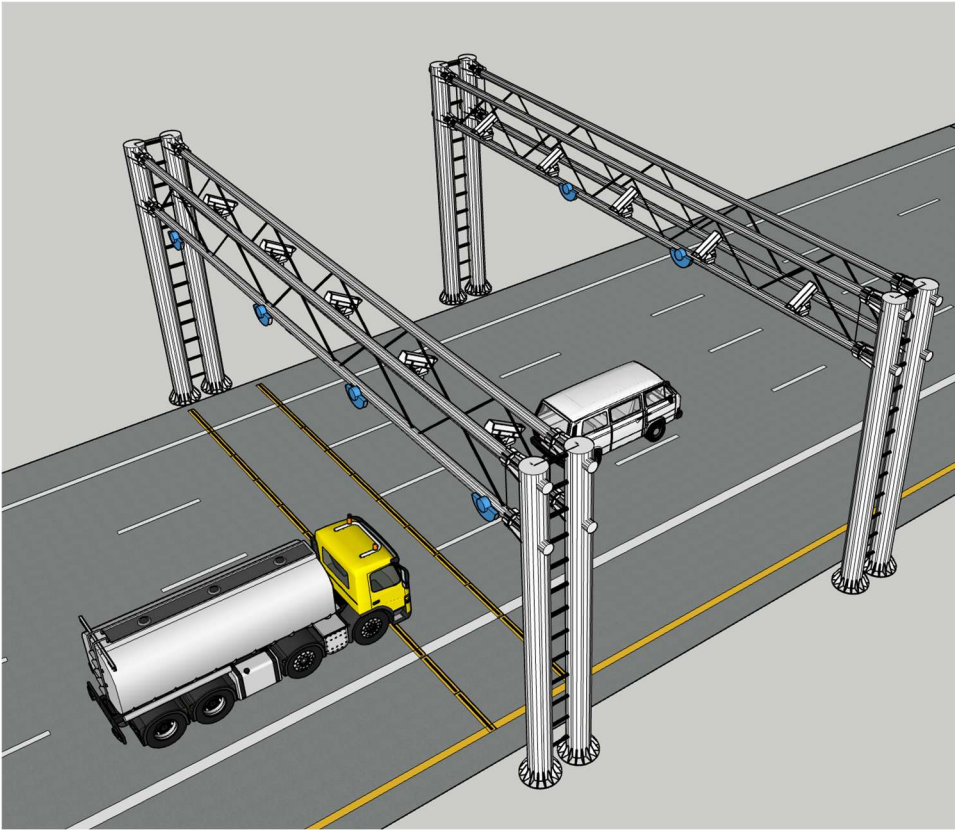
✓ **Scalable Design** – Multiple LIDAR units can be connected, with one LIDAR covering two lanes as the recommended minimum.



✓ **Proven Compatibility** – Works seamlessly with SICK LMS111, LMS511, and LMS1000 series LIDAR devices.

✓ **Cross-Platform Software** – Runs smoothly on both Linux and Windows, tailored to customer requirements.

Whether for **tolling, traffic monitoring, or enforcement systems**, the Sensor Line MLFF Classification System delivers **unmatched precision, flexibility, and reliability**.



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Sample video running customer application:

[LimanSGS - 172.16.144.251 - Remote Desktop Connection 2025-07-09 15-02-04.mp4](#)

